Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Original) A compound selected from the group represented by Formula I:

$$R_4$$
 R_4
 R_4
 R_5
 R_7
 R_7
 R_7

Formula I

wherein:

T and T' are independently a covalent bond or optionally substituted lower alkylene;

 R_1 is hydrogen, optionally substituted alkyl-, optionally substituted aryl-, optionally substituted aralkyl-, optionally substituted heteroaryl-, or optionally substituted heteroaralkyl-;

 R_2 and $R_{2'}$ are independently hydrogen, optionally substituted alkyl, optionally substituted aryl, optionally substituted heteroaryl, or optionally substituted heteroaralkyl; or R_2 and $R_{2'}$ taken together form an optionally substituted 3- to 7-membered ring which optionally incorporates from one to two heteroatoms, selected from N, O, and S in the ring;

 R_3 is hydrogen, optionally substituted alkyl-, optionally substituted aryl-, optionally substituted aralkyl-, optionally substituted heteroaryl-, optionally substituted heteroaralkyl-, $-C(O)-R_6$, or $-S(O)_2-R_{6a}$;

R₄ and R₄ are independently chosen from hydrogen, optionally substituted alkyl, optionally substituted aryl, optionally substituted aralkyl, optionally substituted heteroaryl, and optionally substituted heteroaralkyl; or R₄ and R₄, together with the carbon to which they are attached form an optionally substituted 3- to 7-membered ring which optionally incorporates from one to two heteroatoms, selected from N, O, and S in the ring; or R₄, taken together with R₄, is an optionally substituted alkylidene;

 R_6 is hydrogen, optionally substituted alkyl, optionally substituted aryl, optionally substituted aralkyl, optionally substituted heteroaryl, optionally substituted heteroaralkyl, R_9O - or R_{11} -NH-;

 R_{6a} is optionally substituted alkyl, optionally substituted aryl, optionally substituted aralkyl, optionally substituted heteroaryl, optionally substituted heteroaralkyl, or R_{11} -NH-;

R₇ is hydrogen, optionally substituted alkyl, optionally substituted aryl, optionally substituted aralkyl, optionally substituted heteroaryl, or optionally substituted heteroaralkyl;

or R₇ taken together with R₃, and the nitrogen to which they are bound, form an optionally substituted 5- to 12-membered nitrogen-containing heterocycle, which optionally incorporates from one to two additional heteroatoms, chosen from N, O, and S in the heterocycle ring;

or R₇ taken together with R₂ form an optionally substituted 5- to 12-membered nitrogen-containing heterocycle, which optionally incorporates from one to two additional heteroatoms, chosen from N, O, and S in the heterocycle ring;

 R_{9} is optionally substituted alkyl, optionally substituted aryl, optionally substituted aralkyl, optionally substituted heteroaryl, or optionally substituted heteroaralkyl; and

R₁₁ is hydrogen, optionally substituted alkyl, optionally substituted aryl, optionally substituted aralkyl, optionally substituted heteroaryl, or optionally substituted heteroaralkyl;

(Formula I including single stereoisomers and mixtures of stereoisomers);

a pharmaceutically acceptable salt of a compound of Formula I;

a pharmaceutically acceptable solvate of a compound of Formula I; or

a pharmaceutically acceptable solvate of a pharmaceutically acceptable salt of a compound of Formula I.

(Original) A compound of claim 1 comprising one or more of the following:
 one of T and T' is a covalent bond and the other is a covalent bond or
 optionally substituted lower alkylene;

R₁ is optionally substituted lower alkyl, optionally substituted aryl, or optionally substituted aralkyl;

R₂ is optionally substituted C₁-C₄ alkyl;

R_{2'} is hydrogen or optionally substituted C₁-C₄ alkyl;

 R_3 is $-C(O)R_6$;

 R_4 and R_4 are independently chosen from hydrogen, optionally substituted aryl and optionally substituted aryl- C_1 - C_4 -alkyl-;

 R_6 is optionally substituted C_1 - C_8 alkyl, optionally substituted aryl- C_1 - C_4 -alkyl-, optionally substituted heteroaryl- C_1 - C_4 -alkyl-, optionally substituted heteroaryl, optionally substituted aryl, R_{11} O- or R_{12} -NH-;

R₁₁ is optionally substituted C₁-C₈ alkyl or optionally substituted aryl;

 R_{12} is hydrogen, optionally substituted $C_1\text{-}C_8$ alkyl or optionally substituted aryl; and

 R_7 is hydrogen, optionally substituted C_1 - C_{13} alkyl, optionally substituted aryl, optionally substituted aryl- C_1 - C_4 -alkyl-, optionally substituted heteroaryl- C_1 - C_4 -alkyl-.

3. (Original) A compound of claim 1 comprising one or more of the following: one of T and T' is a covalent bond and the other is a covalent bond or optionally substituted lower alkylene;

R₁ is optionally substituted lower alkyl, optionally substituted aryl, or optionally substituted aralkyl;

R₂ is optionally substituted C₁-C₄ alkyl;

R₂' is hydrogen or optionally substituted C₁-C₄ alkyl;

 R_3 is $-C(O)R_6$;

R₄ and R₄, together with the carbon to which they are attached form an optionally substituted 3- to 7-membered ring which optionally incorporates from one to two heteroatoms, selected from N, O, and S in the ring;

 R_6 is optionally substituted C_1 - C_8 alkyl, optionally substituted aryl- C_1 - C_4 -alkyl-, optionally substituted heteroaryl- C_1 - C_4 -alkyl-, optionally substituted heteroaryl, optionally substituted aryl, R_{11} O- or R_{12} -NH-;

R₁₁ is optionally substituted C₁-C₈ alkyl or optionally substituted aryl;

 R_{12} is hydrogen, optionally substituted $C_1\text{-}C_8$ alkyl or optionally substituted aryl; and

 R_7 is hydrogen, optionally substituted C_1 - C_{13} alkyl, optionally substituted aryl, optionally substituted aryl- C_1 - C_4 -alkyl-, optionally substituted heteroaryl- C_1 - C_4 -alkyl-.

4. (Original) A compound of claim 1 comprising one or more of the following: one of T and T' is a covalent bond and the other is a covalent bond or optionally substituted lower alkylene:

R₁ is optionally substituted lower alkyl, optionally substituted aryl, or optionally substituted aralkyl;

 R_2 is optionally substituted C_1 - C_4 alkyl;

 $R_{2^{\prime}}$ is hydrogen or optionally substituted $C_1\text{-}C_4$ alkyl;

 R_3 is $-C(O)R_6$,

R₄, taken together with R₄, is an optionally substituted alkylidene;

 R_6 is optionally substituted C_1 - C_8 alkyl, optionally substituted aryl- C_1 - C_4 -alkyl-, optionally substituted heteroaryl- C_1 - C_4 -alkyl-, optionally substituted heteroaryl, optionally substituted aryl, R_{11} O- or R_{12} -NH-;

R₁₁ is optionally substituted C₁-C₈ alkyl or optionally substituted aryl;

 R_{12} is hydrogen, optionally substituted C_1 - C_8 alkyl or optionally substituted aryl; and

 R_7 is hydrogen, optionally substituted C_1 - C_{13} alkyl, optionally substituted aryl, optionally substituted aryl- C_1 - C_4 -alkyl-, optionally substituted heteroaryl- C_1 - C_4 -alkyl-.

5. (Currently Amended) A compound of claim 2, 3, or 4 comprising one or more of the following:

T and T' are each a covalent bond;

ethyl, R_1 propyl, methoxyethyl, naphthyl, phenyl, bromophenyl, chlorophenyl, methoxyphenyl, ethoxyphenyl, tolyl, dimethylphenyl, chorofluorophenyl, methylchlorophenyl, ethylphenyl, phenethyl, benzyl, chlorobenzyl, methylbenzyl, methoxybenzyl, cyanobenzyl, hydroxybenzyl, dichlorobenzyl, dimethoxybenzyl, naphthylmethyl, or (ethoxycarbonyl)ethyl;

R₂ is methyl, ethyl, propyl, butyl, methylthioethyl, methylthiomethyl, aminobutyl, (CBZ)aminobutyl, cyclohexylmethyl, benzyloxymethyl, methylsulfinylethyl, or hydroxymethyl;

R_{2'} is hydrogen;

 R_6 is optionally substituted C_1 - C_8 alkyl, optionally substituted aryl- C_1 - C_4 -alkyl-, optionally substituted heteroaryl- C_1 - C_4 -alkyl-, optionally substituted heteroaryl, or optionally substituted aryl; and

 R_7 is hydrogen, C_1 - C_4 alkyl; cyclohexyl; phenyl substituted with hydroxyl, C_1 - C_4 alkoxy or C_1 - C_4 alkyl; benzyl; or R_{16} -alkylene-, wherein R_{16} is hydroxyl, carboxy, $(C_1$ - C_4 alkoxy)carbonyl-, di(C_1 - C_4 alkyl)amino-, $(C_1$ - C_4 alkoxy)carbonylamino-, C_1 - C_4 alkoxy-, or optionally substituted N-heterocyclyl-.

6. (Original) A compound of claim 5 comprising one or more of the following:

R₁ is ethyl, propyl, methoxyethyl, naphthyl, phenethyl, benzyl, chlorobenzyl,
methylbenzyl, methoxybenzyl, cyanobenzyl, hydroxybenzyl, dichlorobenzyl,
dimethoxybenzyl, naphthylmethyl, or (ethoxycarbonyl)ethyl;

R₂ is ethyl or propyl;

R₆ is optionally substituted phenyl; and

 R_7 is R_{16} -alkylene-, wherein R_{16} is amino, C_1 - C_4 alkylamino-, di(C_1 - C_4 alkyl)amino-, C_1 - C_4 alkoxy-, hydroxyl, or N-heterocyclyl.

7. (Original) A compound of claim 6 comprising one or more of the following:

R₁ is benzyl, chlorobenzyl, methylbenzyl, methoxybenzyl, cyanobenzyl, or hydroxybenzyl;

R₂ is i-propyl; and

 R_6 tolyl, halophenyl, methylhalophenyl, hydroxymethyl-phenyl, halo(trifluoromethyl)phenyl-, methylenedioxyphenyl, formylphenyl or cyanophenyl; R_7 aminoethyl, aminopropyl, aminobutyl, aminopentyl, aminohexyl, methylaminobutyl, methylaminoethyl, methylaminopropyl, methylaminopentyl, methylaminohexyl, dimethylaminoethyl, dimethylaminopropyl, dimethylaminobutyl, dimethylaminopentyl, dimethylaminohexyl, ethylaminoethyl, ethylaminopropyl, ethylaminohexyl, diethylaminoethyl, ethylaminobutyl, ethylaminopentyl, diethylaminopropyl, diethylaminobutyyl, diethylaminopentyl, or diethylaminohexyl.

- 8. (Original) A compound of claim 7 wherein R_1 is benzyl.
- 9. (Original) A compound of claim 1 comprising one or more of the following: one of T and T' is a covalent bond and the other is a covalent bond or optionally substituted lower alkylene;

R₁ is optionally substituted lower alkyl, optionally substituted aryl, or optionally substituted aralkyl;

R₂ is optionally substituted C₁-C₄ alkyl;

 $R_{2'}$ is hydrogen or optionally substituted C_1 - C_4 alkyl;

 R_4 and $R_{4'}$ are independently chosen from hydrogen, optionally substituted aryl and optionally substituted aryl- C_1 - C_4 -alkyl-; and

R₇ taken together with R₃, and the nitrogen to which they are bound, form an optionally substituted 5- to 12-membered nitrogen-containing heterocycle, which

optionally incorporates from one to two additional heteroatoms, chosen from N, O, and S in the heterocycle ring.

10. (Original) A compound of claim 1 comprising one or more of the following: one of T and T' is a covalent bond and the other is a covalent bond or optionally substituted lower alkylene;

R₁ is optionally substituted lower alkyl, optionally substituted aryl, or optionally substituted aralkyl;

R₂ is optionally substituted C₁-C₄ alkyl;

R_{2'} is hydrogen or optionally substituted C₁-C₄ alkyl;

 R_4 and $R_{4'}$, together with the carbon to which they are attached form an optionally substituted 3- to 7-membered ring which optionally incorporates from one to two heteroatoms, selected from N, O, and S in the ring; and

 R_7 taken together with R_3 , and the nitrogen to which they are bound, form an optionally substituted 5- to 12-membered nitrogen-containing heterocycle, which optionally incorporates from one to two additional heteroatoms, chosen from N, O, and S in the heterocycle ring.

11. (Original) A compound of claim 1 comprising one or more of the following: one of T and T' is a covalent bond and the other is a covalent bond or optionally substituted lower alkylene;

R₁ is optionally substituted lower alkyl, optionally substituted aryl, or optionally substituted aralkyl;

R₂ is optionally substituted C₁-C₄ alkyl;

R_{2'} is hydrogen or optionally substituted C₁-C₄ alkyl;

R₄, taken together with R₄; is an optionally substituted alkylidene; and

R₇ taken together with R₃, and the nitrogen to which they are bound, form an optionally substituted 5- to 12-membered nitrogen-containing heterocycle, which optionally incorporates from one to two additional heteroatoms, chosen from N, O, and S in the heterocycle ring.

12. (Currently Amended) A compound of claim 9, 10, or 11 comprising one or more of the following:

T and T' are each a covalent bond;

 R_1 ethyl, propyl, methoxyethyl, naphthyl, phenyl, bromophenyl, chlorophenyl, methoxyphenyl, ethoxyphenyl, tolyl, dimethylphenyl, chorofluorophenyl, methylchlorophenyl, ethylphenyl, phenethyl, benzyl, chlorobenzyl, methylbenzyl, methoxybenzyl. cyanobenzyl, hydroxybenzyl, dichlorobenzyl, dimethoxybenzyl, naphthylmethyl, or (ethoxycarbonyl)ethyl;

R₂ is methyl, ethyl, propyl, butyl, methylthioethyl, methylthiomethyl, aminobutyl, (CBZ)aminobutyl, cyclohexylmethyl, benzyloxymethyl, methylsulfinylethyl, or hydroxymethyl;

R₂, is hydrogen; and

 R_3 taken together with R_7 and the nitrogen to which they are bound, forms an optionally substituted imidazolyl ring.

13. (Currently Amended) A compound of claim 9, 10, or 11 comprising one or more of the following:

T and T' are each a covalent bond;

 R_1 methoxyethyl, naphthyl, is ethyl, propyl, phenyl, bromophenyl, chlorophenyl, methoxyphenyl, ethoxyphenyl, tolyl, dimethylphenyl, chorofluorophenyl, methylchlorophenyl, ethylphenyl, phenethyl, benzyl, chlorobenzyl, methylbenzyl. methoxybenzyl, cyanobenzyl, hydroxybenzyl, dichlorobenzyl, dimethoxybenzyl, naphthylmethyl, or (ethoxycarbonyl)ethyl;

R₂ is methyl, ethyl, propyl, butyl, methylthioethyl, methylthiomethyl, aminobutyl, (CBZ)aminobutyl, cyclohexylmethyl, benzyloxymethyl, methylsulfinylethyl, methylsulfinylmethyl, or hydroxymethyl;

R_{2'} is hydrogen; and

 R_3 taken together with R_7 and the nitrogen to which they are bound, forms an optionally substituted imidazolinyl ring.

14. (Currently Amended) A compound of claim 9, 10, or 11 comprising one or more of the following:

T and T' are each a covalent bond;

R₁ propyl, methoxyethyl, naphthyl, phenyl, bromophenyl, ethyl. chlorophenyl, methoxyphenyl, ethoxyphenyl, tolyl, dimethylphenyl, chorofluorophenyl, methylchlorophenyl, ethylphenyl, phenethyl, benzyl, chlorobenzyl, methylbenzyl. methoxybenzyl, cyanobenzyl. hydroxybenzyl, dichlorobenzyl, dimethoxybenzyl, naphthylmethyl, or (ethoxycarbonyl)ethyl;

R₂ is methyl, ethyl, propyl, butyl, methylthioethyl, methylthiomethyl, aminobutyl, (CBZ)aminobutyl, cyclohexylmethyl, benzyloxymethyl, methylsulfinylethyl, or hydroxymethyl;

R₂, is hydrogen; and

 R_3 taken together with R_7 forms an optionally substituted piperazine- or diazepam ring.

15. (Currently Amended) A compound of claim 9, 10, or 11 comprising one or more of the following:

R₁ is ethyl, propyl, methoxyethyl, naphthyl, phenethyl, benzyl, chlorobenzyl, methylbenzyl, methoxybenzyl, cyanobenzyl, hydroxybenzyl, dichlorobenzyl, dimethoxybenzyl, naphthylmethyl, or (ethoxycarbonyl)ethyl;

R₂ is methyl, ethyl, propyl, butyl, methylthioethyl, methylthiomethyl, aminobutyl, (CBZ)aminobutyl, cyclohexylmethyl, benzyloxymethyl, methylsulfinylmethyl, or hydroxymethyl; and

R₂ is hydrogen.

16. (Original) A compound of claim 15 comprising one or more of the following:

 R_1 is benzyl, chlorobenzyl, methylbenzyl, methoxybenzyl, cyanobenzyl, or hydroxybenzyl; and

R₂ is ethyl or propyl.

17. (Original) A compound of claim 16 comprising one or more of the following:

R₁ is benzyl; and

R₂ is i-propyl.

18. (Original) A compound of claim 1 wherein

T and T' are each a covalent bond;

 R_1 is benzyl, chlorobenzyl, methylbenzyl, methoxybenzyl, cyanobenzyl, or hydroxybenzyl;

R_{2'} is hydrogen;

R₂ is optionally substituted C₁-C₄ alkyl;

R₄ and R₄ are independently chosen from hydrogen, optionally substituted aryl and optionally substituted aryl-C₁-C₄-alkyl;

 R_3 is $-C(O)R_6$;

R₆ is optionally substituted phenyl; and

 R_7 is R_{16} -alkylene-, wherein R_{16} is amino, C_1 - C_4 alkylamino-, di(C_1 - C_4 alkyl)amino-, C_1 - C_4 alkoxy-, hydroxyl, or N-heterocyclyl.

19. (Original) A compound of claim 1 wherein

T and T' are each a covalent bond;

 R_1 is benzyl, chlorobenzyl, methylbenzyl, methoxybenzyl, cyanobenzyl, or hydroxybenzyl;

R_{2'} is hydrogen;

R₂ is optionally substituted C₁-C₄ alkyl;

R₄ and R₄, together with the carbon to which they are attached form an optionally substituted 3- to 7-membered ring which optionally incorporates from one to two heteroatoms, selected from N, O, and S in the ring;

 R_3 is $-C(O)R_6$;

R₆ is optionally substituted phenyl; and

 R_7 is R_{16} -alkylene-, wherein R_{16} is amino, C_1 - C_4 alkylamino-, di(C_1 - C_4 alkyl)amino-, C_1 - C_4 alkoxy-, hydroxyl, or N-heterocyclyl.

20. (Original) A compound of claim 1 wherein

T and T' are each a covalent bond;

 R_1 is benzyl, chlorobenzyl, methylbenzyl, methoxybenzyl, cyanobenzyl, or hydroxybenzyl;

R_{2'} is hydrogen;

R₂ is optionally substituted C₁-C₄ alkyl;

 R_4 , taken together with $R_{4'}$ is an optionally substituted alkylidene;

 R_3 is $-C(O)R_6$;

R₆ is optionally substituted phenyl; and

 R_7 is R_{16} -alkylene-, wherein R_{16} is amino, C_1 - C_4 alkylamino-, di(C_1 - C_4 alkyl)amino-, C_1 - C_4 alkoxy-, hydroxyl, or N-heterocyclyl.

21. (Original) A compound of claim 1 wherein

T and T' are each a covalent bond;

 R_1 is benzyl, chlorobenzyl, methylbenzyl, methoxybenzyl, cyanobenzyl, or hydroxybenzyl;

R_{2'} is hydrogen;

 R_2 is optionally substituted C_1 - C_4 alkyl;

R₄ and R₄ are independently chosen from hydrogen, optionally substituted aryl and optionally substituted aryl-C₁-C₄-alkyl; and

R₃ taken together with R₇, and the nitrogen to which they are bound, form an optionally substituted 5- to 12-membered nitrogen-containing heterocycle, which

optionally incorporates from one to two additional heteroatoms, selected from N, O, and S in the heterocycle ring.

22. (Original) A compound of claim 1 wherein

T and T' are each a covalent bond;

 R_1 is benzyl, chlorobenzyl, methylbenzyl, methoxybenzyl, cyanobenzyl, or hydroxybenzyl;

R_{2'} is hydrogen;

R₂ is optionally substituted C₁-C₄ alkyl;

R₄ and R₄, together with the carbon to which they are attached form an optionally substituted 3- to 7-membered ring which optionally incorporates from one to two heteroatoms, selected from N, O, and S in the ring; and

 R_3 taken together with R_7 , and the nitrogen to which they are bound, form an optionally substituted 5- to 12-membered nitrogen-containing heterocycle, which optionally incorporates from one to two additional heteroatoms, selected from N, O, and S in the heterocycle ring.

23. (Original) A compound of claim 1 wherein

T and T' are each a covalent bond:

R₁ is benzyl, chlorobenzyl, methylbenzyl, methoxybenzyl, cyanobenzyl, or hydroxybenzyl;

R_{2'} is hydrogen;

R₂ is optionally substituted C₁-C₄ alkyl;

 R_4 , taken together with $R_{4'}$ is an optionally substituted alkylidene;

R₃ taken together with R₇, and the nitrogen to which they are bound, form an optionally substituted 5- to 12-membered nitrogen-containing heterocycle, which optionally incorporates from one to two additional heteroatoms, selected from N, O, and S in the heterocycle ring.

- 24. (Original) A compound of claim 1 that is
- N-(3-Amino-propyl)-N-[1-(6-benzyl-7-oxo-4,6-diaza-spiro[2.4]hept-4-en-5-yl)-2-methyl-propyl]-4-methyl-benzamide; or
- N-(3-Amino-propyl)-N-[1-(1-benzyl-4-isopropylidene-5-oxo-4,5-dihydro-1H-imidazol-2-yl)-2-methyl-propyl]-4-methyl-benzamide, or
 - a pharmaceutically acceptable salt, solvate or solvate of a salt thereof.
- 25. (Currently Amended) A compound of any of claim 1 the above claims wherein the stereogenic center to which R_2 and $R_{2'}$ is attached is of the R configuration.
- 26. (Currently Amended) A composition comprising a pharmaceutical excipient and a compound of any one of claims 1-24 claim 1.
- 27. (Original) A composition according to claim 26, wherein said composition further comprises a chemotherapeutic agent other than a compound of claim 1.
- 28. (Original) A composition according to claim 27 wherein said chemotherapeutic agent is a taxane, a vinca alkaloid, or a topoisomerase I inhibitor.
- 29. (Currently Amended) A method of modulating KSP kinesin activity which comprises contacting said kinesin with an effective amount of a compound according to any one of claims 1 to 24 claim 1.
- 30. (Currently Amended) A method of inhibiting KSP which comprises contacting said kinesin with an effective amount of a compound according to any one of claims 1 to 24 claim 1.

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- 31. (Currently Amended) A method for the treatment of a cellular proliferative disease comprising administering to a patient in need thereof a compound according to any one of claims 1-24 claim 1.
- 32. (Currently Amended) A method for the treatment of a cellular proliferative disease comprising administering to a patient in need thereof a composition according to any one of claims 26-28 claim 26.
- 33. (Currently Amended) A method according to claim 31 or claim 32 wherein said disease is selected from cancer, hyperplasias, restenosis, cardiac hypertrophy, immune disorders, and inflammation.
- 34. (Cancelled).
- 35. (Cancelled).